# Environmental Data Sheet for bizhub 300i



| 1 | Company | | |
|---|---|---|---|
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| | | **Before getting back to the editor, please contact your local support first** | |
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| 2 | **Tests / Approvals / Declarations** | | | |
|---|---|---|---|---|
| 2.1 | CE Conformity: | Declaration of Conformity | For this product an EU Declaration of Conformity according to EN17050-1 is available. It can be obtained from the editor on request. | |
| 2.2 | EU-Directives: | | This product is in compliance with the listed EU directives: | |
| | | 2014/35/EU<br>2014/30/EU<br>2009/125/EC<br>2011/65/EC | - Low Voltage Directive / Product Safety<br>- EMC Directive / Electromagnetic Compatibility<br>- ErP Directive / Eco Design<br>- RoHS2 Directive and amendments | |
| 2.3 | Safety Tests: | GS Mark S 504 247 55<br>Nemko Mark P 202 244 87 | TUEV Rheinland<br>NEMKO, Norway | EN 62368-1<br>EN 62368-1 |
| 2.4 | EAC Certification: | RU C-JP AR46 B14725 (0261004) | EAC certificate | |
| 2.5 | Electromagnetic Compatibility (EMC): | EMC Mark CJ 504 715 52 | TUEV Rheinland | EN55032:2012, EN61000-3-2:2014, EN61000-3-3:2013, EN55024:2010, CISPR 32:2012, CISPR 24:2010 |
| 2.6 | ENERGY STAR: | ENERGY STAR program compliance | EPA based (version 3.0) | This product is listed in ENERGY STAR databases |
| 2.7 | Eco Design Directive: | 2009/125/EC | Framework for the setting of ecodesign requirements for energy-related products | |
| | | 1275/2008/EC | Requirements for electrical power consumption in standby and off-mode | |
| | | Voluntary Agreement on Lot 4 | Konica Minolta is signatory of the EVAP | |
| 2.8 | Blue Angel Mark: | German environmental label no. 35064 | RAL | RAL-UZ 205 |
| 2.9 | Document Authenticity: | PTS certificate will be applied<br>Printer:<br>Copier:<br>ISO 11798 will be applied | Papiertechnische Stiftung (PTS)<br><br><br>RISE (Sweden) | Ordinance for Lawyers and Notaries in Germany (DONot), § 29;<br><br><br>According Swedish National Archive Regulations relevant test conditions were noted down in the according test certificate! |
| 2.10 | Laser safety | EN 60825-1 : 2014 | Class 1 laser | |
| 2.11 | Quality and Environmental Management: | ISO 9001 certification<br>ISO 14001 certification | This product was manufactured under a certified Quality Management System according to ISO 9001 and under a certified Environmental Management System according to ISO 14001. | |

## 3 General Information

| | | | | |
|---|---|---|---|---|
| 3.1 | Speed: | Pages per minute<br>Printing<br>Copying | Black and White<br>30 (ISO 24734)<br>30 (ISO 24735) | Colour |
| 3.2 | Weight: | About 76 kg | Basic System only | |
| 3.3 | Dimensions / Volume: | 615 mm<br>688 mm<br>779 mm<br>330 litre | Width<br>Depth<br>Height<br>Volume (calculated) | Basic System only |
| 3.4 | Environmental programmes: | This product conforms to the following voluntary environmental programme requirements: | Konica Minolta Environmental Policy<br>Konica Minolta Product Environmental Assessment<br>All production sites have ISO 14001 certification. Konica Minolta Environmental Report including environmental accounting report is published annually.<br>https://www.konicaminolta.com/about/csr/environment/index.html | |
| 3.5 | Extension of product lifetime: | The manufacturer offers on a voluntary base: | Spare parts availability:<br>Service availability:<br><br>Warranty: | 5 years after end of production<br>5 years after end of production (depends on service level agreement, business to business)<br>Depends on service level agreement, business to business |
| 3.6 | Materials: | This product contains no*: | Cadmium (< 0.01%)<br>Lead<br>Hexavalent chromium<br>Mercury (except for a fluorescent lamp)<br>PBB and PBDE (Polybrominated biphenyls and their ethers contained in mechanical plastic parts in concentrations exceeding the natural background levels)<br>Ozone depletion substances, according to those categories that are already banned in the Montreal protocol<br>Chloroparaffines with chain length 10-13 atoms, chlorination greater than 50% contained in mechanical plastic parts<br>PCB or PCT<br>Large-size plastic case parts (weighing more than 25g) do not contain the halogenated flame proofing agents.<br>Asbestos<br>* Impurity threshold level: less than 0.1% | |

## 4 Emissions / Consumption

4.1 Operation noise: (Measured values)

| | Black and White | Colour |
|---|---|---|
| Sound power, Lwa [1] | | |
| Standby | nd | dB(A) |
| Printing | 63.3 dB(A) | dB(A) |
| Sound power declared, Lwad | | |
| Standby | nd | dB(A) |
| Printing | 66.3 dB(A) | dB(A) |
| Sound pressure, operator position, Lpa [2] | | |
| Standby | nd | dB(A) |
| Printing | 47.0 dB(A) | dB(A) |

Basic unit without accessories

1) measured and declared according to ISO7779, RAL-UZ 205

2) workspace related emission value, operator test position: height=1.50m; distance=0.25m in front of the panel position

nm Not measured

nd There is no noise in ready mode two minutes after the last printout

## 4 Emissions / Consumption

### 4.2 Energy (measured values)

Power

Max power consumption [3]
Average power consumption [4]

| | Power [Watt] | Mode (230V) |
|---|---|---|
| Max. | 1580 | Starting |
| Printing | 450 | Operating |
| Standby | 84 | Without energy-save |
| | 28.1 | With energy-save |
| | 0.4 | Sleep mode |
| | 0.1 | Plug-in off mode |

Recovery times

| Time [seconds] | Recovery from mode |
|---|---|
| 4 | Energy-save mode |
| 6 | Sleep mode |

Applied standard test method: RAL-UZ 205

3) Short-term maximum value, for mains fuse calculation

4) Calculation basis for power consumption

TEC

Version 3.0: 0.35 kWh/week
Only for reference:
Version 2.0: x.1 kWh/week

Typical Energy Consumption value, weekly base, according to the definitions of ENERGY STAR (230V)

Heat Generation (calculated)

| | | |
|---|---|---|
| Printing | 1,620 kJ/h | |
| | BTU/h | BTU 230V, based on the TEC value of this product (24 h x 7 days) |
| Standby | 302.4 kJ/h | Without energy-save |

### 4.3 Emissions: (Measured values)

Substances

| Operation (Printing) | Emission rate [mg/h] | Concentration [5] [mg/m³] |
|---|---|---|
| Ozone | | |
| Standby | nm | |
| Operating b/w | 0.080 mg/h | 0.004 mg/m³ |
| Styrene | | |
| Standby | nm | |
| Operating b/w | 0.384 mg/h | 0.019 mg/m³ |
| Benzene | | |
| Standby | nm | |
| Operating b/w | <0.001 mg/h | <0.001 mg/m³ |
| TVOC | | |
| Standby | 0.129 mg/h | 0.006 mg/m³ |
| Operating b/w | 4.629 mg/h | 0.231 mg/m³ |
| Fine dust | | |
| Standby | nm | |
| Operating b/w | 1.700 mg/h | 0.085 mg/m³ |

Test conditions

Basic system without options / accessories

Test conditions according to RAL-UZ 205. Emission rate in mg/h.

5) - Calculation to evaluate the ambient air concentration rate in mg/m³: Room size 40 m³, Air exchange rate 0.5/h, and Multi operating cycles.

nd = not detectable (below the detection limit)

nm = not measured

Regular maintenance assumed. Measured values were evaluated on basis of one machine. Values many vary within production.

| | | | |
|---|---|---|---|
| 5 | **Consumables and other items** | | |
| 5.1 | Toner: | black, for bizhub 300i, bizhub 360i (TN330) | Components: Styrene acrylic resin, polyester resin, ferrite (iron oxide and manganese oxide), carbon black, wax, amorphous silica, organic pigment (<1%).<br>Flashpoint over 350 °C.<br>When used as intended (toner for office copies) no danger for health and environment.<br>Avoid dusting.<br>Test on mutagenic activity (AMES) showed negative results.<br>Classification class for endangerment of water: WGK = 1 (Germany, slightly endangering water)<br>Waste toner classification no.(EWC): 080318, GC020, green list, not hazardous waste<br>Polymerized toner reduces environmental impacts (CO2, NOx and SOx emissions during production of toner) by about 40% compared to conventional toners. |
| 5.2 | Waste toner box: | 1 box | Must be replaced after 300,000 printouts |
| 5.3 | Photoconductor: | Photoconductor for: bizhub 300i, bizhub 360i | Aluminium tube coated with organic material. |
| 5.4 | Filters: | This product contains 1 filter | Must be replaced after 330,000 printouts |
| 5.5 | Batteries: | 1 lithium battery (CR2032) | The batteries are in conformity with: 2006/66/EC (battery and accumulators).<br>The product documentation contains information about proper disposal, which should be followed |
| 5.6 | Light source: | Scanner lamp | LED |
| 5.7 | Recycling paper | Papers according to EN 12281:2002 are suitable for use | Storage in climate-proof packaging recommended |
| 5.8 | Packaging material: | Material<br>Paper / Cardboard<br>Plastic Foamed PE<br>Plastic PE<br>Others<br><br>Packaging material is free of PVC | Weight [kg]<br>x.42<br>x.39<br>x.13<br>x.03 |
| 5.9 | Disassembly/Recycling: | Mechanical plastic parts weighing more than 25g are marked according to ISO 11469.<br>Of total plastic parts' weight >25g, recycled material content percentage is over 25%. | |
| 5.10 | Take back information: | The supplier offers take back and recycling services for products and consumables in many locations throughout the world. Customers are advised to contact their supplier representatives for additional information. | |
| 5.11 | Documentation: | The documentation is available as printout on Totally Chlorine Free bleached paper or as electronic file.<br>https://manuals.konicaminolta.eu/konicaminolta | |